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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/540,953

06/27/2005

Etienne Annic

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4050

27799

7590

08/04/2009

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EXAMINER

MITCHELL, DANIEL D

ART UNIT

PAPER NUMBER

2419

MAIL DATE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/540,953	<b>Applicant(s)</b> ANNIC, ETIENNE	
	<b>Examiner</b> DANIEL MITCHELL	<b>Art Unit</b> 2419	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 23 April 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Response to Amendment***

1. Applicant's amendment filed on 4/23/2009 has been entered. No claims are amended. No claims are canceled. Claims 1-8 are still pending in this application, with claims 1 and 8 being independent.

### ***Response to Arguments***

2. Applicant's arguments, see pg 6-9, filed 4/23/2009, with respect to claims 1-8 have been fully considered and are persuasive. The 35 USC 103 rejections of claims 1-8 have been withdrawn.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brigdelall (US Publication No. 2002/0085516 A1), in view of Venteicher et al. (US Publication No. 2004/0062262 A1), hereinafter referred as Venteicher.

Regarding claim 1, Brigdelall discloses a system for managing a resource in a multi-access point name (APN) terminal for a plurality of architectures each

dedicated to a corresponding one of a plurality of communications networks (**fig. 9, par. 52-53 teaches a dedicated architecture for the WWAN and also a separate dedicated architecture for the WLAN**), wherein said system comprises a plurality of dedicated architecture resource managers each configured to for processing on behalf of the each architecture (**fig. 9 par. 52-53 teaches a microprocessor 916 for processing on behalf of the architecture**), and wherein said each architecture resource manager is configured to dialogue with a resource administrator of a dedicated architecture manager of the multi-APN terminal (**fig. 9 par 52, 53 teaches a microprocessor 916 that communicates with micro-controller 922**).

However Bridgelall does not expressly teach a request for access to a common resource of the multi-APN terminal, the request being generated as a function of an application activated on said multi-APN terminal, and to manage the common resource of said multi-APN terminal based on simultaneous operational processing of said plural dedicated architectures of said multi-APN terminal which are each connected to the corresponding one of said plural communications networks.

Venteicher teaches the request being generated as a function of an application activated on said multi-APN terminal (**par. 34 teaches the request is generated in response to the application on the wireless device**), and to manage the common resource of said multi-APN terminal based on simultaneous operational processing of said plural dedicated architectures of said multi-APN

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terminal which are each connected to the corresponding one of said plural communications networks (**par. 34 teaches resource manager that manages a common resource based on the simultaneous processing of the other resources that are currently in use**).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Bridgelall to include creating a request for resources upon the activation of an application. One would be motivated as such in order manage the shared resources within a device in a cost effective manner par. 7.

Regarding claim 2 Bridgelall teaches wherein each of said plural dedicated architecture resource managers is integrated in each said plural dedicated architectures of said multi-APN terminal (**fig. 9, par. 52, 53 teaches micro-processor 916 is integrated in the plural architectures**).

Regarding claim 3, Bridgelall teaches wherein each of said plural dedicated architecture resource managers includes an interface for exchanging information with said resource administrator of said dedicated architecture manager (**fig. 9, par 52, 53 teaches micro-processors 916 include an interface and are coupled to the micro controller (resource administrator) for communication**).

Regarding claim 4, Bridgelall teaches wherein each of said plural dedicated architecture resource managers includes an interface for exchanging information with the process manager of each of said plural dedicated architectures **(fig. 9, 52-53 teaches a flash 918 is coupled to the micro processor where the flash is used to control the architecture).**

Regarding claim 5, Bridgelall teaches wherein said resource administrator of said dedicated architecture manager of the multi-APN terminal includes an interface for exchanging information with a resource allocator of said multi-APN terminal **(fig. 9, 52-53 teaches the micro-controller (resource administrator) has an interface for exchanging information with the device controller).**

Regarding claim 6, Bridgelall teaches wherein said resource administrator of said dedicated architecture manager of the multi-APN terminal includes an interface for exchanging information with a radio interface **(fig. 9, par. 52-59 teaches a the micro-controller 922 is coupled to both the WLAN and WWAN interface).**

5. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bridgelall and Venteicher in view of Downs et al. (US Patent No. 6,249,836 B1), hereinafter referred as Downs.

Regarding claim 7, Bridgelall and Venteicher teaches system as to the parent claim.

However Bridgelall and Venteicher do not expressly disclose wherein each of said plural dedicated architecture resource managers includes a resource correspondence table for defining the resource corresponding to the application activated on said multi-APN terminal.

Downs discloses in fig. 3, col. 3 lines 56-63 teaches the resource manager contains the resource table corresponding to the resources of the device.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Bridgelall and Venteicher to include . One would be motivated as such in order for the device to determine if necessary resources are able to be allotted or not abstract.

Regarding claim 8, Venteicher teaches a method of managing a resource comprising: activating an application on said multi-APN terminal (**Venteicher teaches in par. 31 activating an application on the wireless device**); defining, at process managers each associated with a corresponding one of said plural dedicated architectures, a common resource corresponding to said application (**par. 31 teaches a web browser for generating an application request for a common resource**); requesting, at one of said process managers, access to said common resource through a corresponding one of a plurality of dedicated architecture resource managers each associated with a corresponding one of the

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dedicated architectures (**par. 31 teaches requesting access to the common resource to the resource manager**); generating, at said one dedicated architecture resource manager, a response after checking said common resource access request (**par. 34 teaches the resource manager determines if request resources for the application are available**); generating the response, at a resource administrator of a dedicated architecture manager of the multi-APN terminal, after checking said common resource access request against simultaneous common resource access requests from others of the plural dedicated architectures of the multi-APN terminal (**par. 34 teaches a resource manager the determines whether the device can establish a new link by checking the resources that are in use**); allocating, at a resource allocator of said multi-APN terminal, the requested resource (**par. 34 teaches the resource manager allocating the resources to the requesting application**); allocating, at a radio interface for accessing said plural communications networks, the requested common resource (**par. 34 teaches the common resource is allocated to the requesting application, where the common resource is the data link of the wireless device**); associating with said application, at said one of the plural dedicated architecture resource managers, access to the requested common resource after validation of the common resource access request (**par. 34 teaches the resource manager after receiving the request from the application of the device, the application is associated with that resource**); and executing, at said one process manager, said application by way of said



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requested common resource (**par. 34 teaches executing the application by establishing the connection when the application requests the resource**).

**However Venteicher does not expressly disclose a multi-access point name (APN) terminal for a plurality of architectures each dedicated to and connected to a corresponding one of a plurality of communications networks.**

Bridgelall teaches in fig. 9, par. 52, 53 a mobile device with dedicated architectures to both the WWAN and a WLAN network, where both networks define a plurality of networks.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Venteicher to include utilizing a plurality of dedicated architecture. One would be motivated as such in order to maintain a connection between various networks par. 10.

### ***Conclusion***

6. Any response to this action should be **faxed** to (571) 173-8300 or **mailed** to:

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Hand delivered responses should be brought to:**  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL MITCHELL whose telephone number is (571)270-5307. The examiner can normally be reached on Monday - Friday 8:00 am - 5:00 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chirag G. Shah can be reached on 571-272-3144. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/D. M./

Examiner, Art Unit 2419

/Chirag G Shah/

Supervisory Patent Examiner, Art Unit 2419